

SUMMARY OF SECTOR OPTIONS WITH FINAL VOTE

August 14, 2007

Sector Abbreviations:

AF = Agriculture/Forestry; CC = Cross Cutting; ES = Energy Supply; RCI = Residential/Commercial/Industrial; TL = Transportation/Land Use. Details of each option is in the appendices.

Priority – High, Medium, or Low

Considerations:

- How much “bang for the buck” in terms of cost and CO₂e reduction potential?
- Is it critical to the accomplishment of an end result? (Keep in mind that some options are “enablers.”)
- Can we assign it a higher priority, if we can’t afford to do it?
- Does it have an immediate or a long-term pay-off?

Bins – Address Difficulty

BIN A: **"No-Brainers"** - Benefit appears to be high; it can be readily implemented; changes to existing laws and regulations are minimal or will be readily supported; the cost is modest or reasonable; and there is little or no harm associated with it.

BIN B: **"Worth Consideration"** - Most of the Bin A conditions can be met and the rest can be met with some effort. It is the opinion of the group that the effort required, in terms of cost and do-ability, are worth the benefit gained.

BIN C: **"Difficult"** - While the idea may have merit, the cost and/or effort required to make it work will either be very difficult but something that needs to be done OR may not be worth the benefit realized. There is a likely probability of significant impact OR "unintended consequences" other than cost to implement.

BIN D: **"Need more information"** - The option is too general/vague or not enough analytical information can be obtained to evaluate in the time allowed.

Table 1: Summary of Options with Final Vote

Number	Policy Option	Priority	Bin	Vote
AF-1	Promote Production of Biomass Fuels	High	B	20
AF-2	Improve Manure Management	Medium	B	13
AF-3	Change Livestock Feed and Improve Productivity to Reduce Methane Emissions	Medium	B	9
AF-4	Encourage Innovative Soil Management	Medium	B	3
AF-5	Convert Land to Grassland or Forests	High	B	2
AF-6	Preserve Open Space/Agricultural Land	High	B	18
AF-7	Protect Forestland by Reduced Conversion to Non-forest Uses (urban, suburban, and rural lands)	High	B	9
AF-8	Encourage Afforestation and/or Restoration of Nonforest Land	Medium	D	1
AF-9	Promote Urban and Community Trees	High	A	21
AF-10	Promote Reforestation, Proper Stocking, and Density Management of Managed Stands	Medium	C	0
AF-11	Develop and Implement Best Management Practices for Biomass Removal	Medium	C	0
AF-12	Increase Fire Management and Risk Reduction Programs	High	A	9
AF-13	Increase Forest Health (pest/disease, invasive species) Risk Reduction Programs	High	B	15
AF-14	Expand Use of Wood Products for Building Materials	Medium	B	1
AF-15	Expand Use of Forest Biomass Feedstocks for Energy Production (Fuel Blending and Switching)	Medium	D	6
CC-1	GHG Registry	High	A	19
CC-2	GHG Target	High	B	15
CC-3	Public Education and Outreach	High	A	18
CC-4	Research and Development into Low/No Carbon Energy Strategies	High	A	16
CC-5	Climate Adaptation Strategies and Policies	High	B	13
CC-6	Regional/State Cap and Trade Program, Carbon Tax, or Hybrid	High	B	13
CC-7	Guidelines for Climate Policy (in general); Coordination with Other Policies	High	A	16
CC-8	Evaluate Existing Climate Proposals at the Regional, Federal, and International Levels	High	A	19
CC-9	Bridging Strategies	High	A	20
ES-1	Renewable Portfolio Standard	High	B	17
ES-2	Create Renewable Energy Development Zones	High	B	11
ES-3	Green Power Purchase and Marketing	High	A	15

Number	Policy Option	Priority	Bin	Vote
ES-4	Public Benefit Charge	High	B	9
ES-5	Tax Credits and Incentives for Renewable Energy	High	A	18
ES-6	Pricing and Metering Strategies	High	B	9
ES-7	Renewable Energy and Energy Storage Research and Development	High	B	16
ES-8	Develop CO2 Capture and Sequestration Policy	High	B	18
ES-9	Issues for CO2 Transmission	High	B	10
ES-10	Carbon Capture and Sequestration Research and Development	High	B	20
ES-11	Incentives for Advanced Fossil Fuel Technologies that Yield Carbon Reduction Benefits	High	B	20
ES-12	Landfill Gas/Waste to Energy that Yield Carbon Reduction Benefits	Medium	A	17
ES-13	Fuel Cell Development	Low	B	1
ES-14	Hydrogen Development	Low	C	4
ES-15	Nuclear Development	Medium	C	14
ES-16	Generation or Emissions Performance Standards	High	B	7
ES-17	Efficiency Improvements	High	A	18
ES-18	Fuel Switching	Medium	D	2
ES-19	Retrofit Plants w/CO2 Capture	High	C	15
ES-20	Retire Old Plant; Build New Low-Carbon Greenfield Plant	High	B	9
ES-21	Incentives and Barrier Reductions for CHP and DG	High	B	14
ES-22	Remove Transmission/Distribution System Limitations and Other Infrastructure Barriers for Renewables and Other Clean Distributed Generation	High	B	16
ES-23	Transmission System Upgrading	High	B	19
ES-24	GHG Emissions Reduction from Fuel Combustion in Extraction Operations	Low	C	1
ES-25	GHG Leakage Reduction Program	Low	C	0
ES-26	Research and Development	High	A	15
ES-27	Remove Regulatory Barriers	High	B	18
ES-28	Tax Credits and Initiatives	High	B	19
RCI-1	Utility Demand Side Management	High	A	18
RCI-2	Voluntary Efficiency Targets	High	A	19
RCI-3	Regional Market Transformation Alliance	Medium	D	1
RCI-4	Green Power Purchasing	Medium	A	16
RCI-5	Rate Design	High	A	15

Number	Policy Option	Priority	Bin	Vote
RCI-6	Distributed Generation with Combined Heat and Power Systems (including Reducing Barriers)	High	B	19
RCI-7	Distributed Generation with Renewable Energy Applications	High	B	17
RCI-8	State Appliance Efficiency Standards	High	A	17
RCI-9	Solar Hot Water and Photovoltaic Codes for New Buildings	Medium	B	15
RCI-10	Energy Management Training/ Training of Building Operators	Medium	B	17
RCI-11	Government Lead by Example w/Mandatory Efficiency Targets	High	A	19
RCI-12	State Promotion and Tax or Other Incentives for Efficient Products (e.g. EnergyStar)	High	B	19
RCI-13	Increased Use of Blended Cement	Not Enough Information	D	1
RCI-14	Fuel Switching to Less Carbon-Intensive Fuels	Medium	D	17
RCI-15	Reinvestment Fund	Medium	B	11
RCI-16	Focus on Small and Medium Enterprises (SMEs)	High	D	9
RCI-17	Participation in Voluntary Industry-Government Partnerships	Medium	B	7
RCI-18	Process Changes/Optimization	Not Enough Information	D	1
RCI-19	Water Pumping, Treatment, and Use Efficiency	Medium	B	14
RCI-20	Incentives for Improved Design and Construction (e.g. EnergyStar, green buildings, expedited permitting)	High	A	21
RCI-21	Improved Building Codes	High	A	20
RCI-22	Alternative Gases/Leak Reduction	Not Enough Information	D	1
RCI-23	Waste/Recycling	High	A	19
TL-1	Develop and Implement Aggressive Mass Transit Strategy	High	B	19
TL-2	Quality Growth Program	High	A	17
TL-3	Pay-As-You-Drive Insurance	Medium	B	2
TL-4	Trip Reduction, Rideshare, Vanpool, and Telecommuting	High	A	20
TL-5	Explore Shared Vehicle Ownership Programs (e.g. Flex-car, Zipcar)	Medium	D	0
TL-6	"Buy Local" Program	Medium	B	10
TL-7	Promote Low-Carbon Fuels and Vehicle Technologies (Statewide)	High	A	20
TL-8	State Fleet Lead by Example	High	A	19
TL-9	Clean Car Program	High	B	16
TL-10	Idle-Reduction Program	High	B	18

Number	Policy Option	Priority	Bin	Vote
TL-11	Vehicle Speed Reduction	High	B	9
TL-12	Feebates (Fee on High GHG Vehicles; Rebates on Low GHG Vehicles)	Medium	C	2
TL-13	Education Program	High	A	18
TL-14	Explore Funding Options for the Suite of Transportation and Land Use Options	High	B	9
TL-15	Congestion Pricing	Medium	A	19
TL-16	Congestion Zones	Low	D	3
TL-17	Incentives to Retire Old Vehicles	Low	D	2